RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/544, 115_

Source: _PCT_

Date Processed by STIC: _08/11/2005_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 4.2 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
> **http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
<u>Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:</u>

1. EFS-Bio <u>(<http://www.uspto.gov/ebc/efs/downloads/documents.htm></u> , **EFS Submission User Manual - ePAVE)**
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: _10/544,115_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____Wrapped Nucleics Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2____Invalid Line Length The rules require that a line **not exceed 72 characters** in length. This includes white spaces.

3____Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4____Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5____Variable Length Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6____PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7____Skipped Sequences (OLD RULES) Sequence(s) ____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8____Skipped Sequences (NEW RULES) Sequence(s) ____ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000

9____Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

10____Invalid <213> Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

11____Use of <220> Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12____PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13____ Misuse of n/Xaa "n" can only represent a single <u>nucleotide</u>; "Xaa" can only represent a single <u>amino acid</u>

AMC – Biotechnology Systems Branch – 09/09/2003

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PCT

RAW SEQUENCE LISTING   DATE: 08/11/2005
PATENT APPLICATION: **US/10/544,115**   TIME: 13:35:30

Input Set : **A:\3514 160b.ST25.txt**
Output Set: **N:\CRF4\08112005\J544115.raw**

```
 3 <110> APPLICANT: The United States of America, as represented by the
 4       Secretary of DHHS, NIH
 5       Clore, Gideon
 6       Bewley-Clore, Carole
 7       Medabalimi, John
 9 <120> TITLE OF INVENTION: Novel Peptide Inhibitor of HIV Fusion That Disrupts the
Internal
10       Trimeric Coiled-Coil of gp41
12 <130> FILE REFERENCE: 3514.160-PCT
```

C--> 14 `<140> ` **CURRENT APPLICATION NUMBER: US/10/544,115**
C--> 14 `<141> ` **CURRENT FILING DATE: 2005-08-01**

```
14 <150> PRIOR APPLICATION NUMBER: US 60/446,255
15 <151> PRIOR FILING DATE: 2003-02-11
17 <160> NUMBER OF SEQ ID NOS: 4
19 <170> SOFTWARE: PatentIn version 3.2
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 36
23 <212> TYPE: PRT
24 <213> ORGANISM: HIV-1
26 <400> SEQUENCE: 1
28 Ser Gly Ile Val Gln Gln Gln Asn Asn Leu Leu Arg Ala Ile Glu Ala
29 1               5                   10                  15
32 Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln Leu Gln
33             20                  25                  30
36 Ala Arg Ile Leu
37           35
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 35
42 <212> TYPE: PRT
43 <213> ORGANISM: HIV-1
45 <400> SEQUENCE: 2
47 Trp Met Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Ser Leu Ile His
48 1               5                   10                  15
51 Ser Leu Ile Glu Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Gln
52             20                  25                  30
55 Glu Leu Leu
56           35
59 <210> SEQ ID NO: 3
60 <211> LENGTH: 36
61 <212> TYPE: PRT
62 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Variant of SEQ ID NO:1
68 <220> FEATURE:
```

Does Not Comply
Corrected Diskette Needed

(pg 1, 2)

→ Pls Explain the Source of Genetic Material for (Artificial, Unknown) (pls see Item 11 on error Summary Sheet.)

RAW SEQUENCE LISTING   DATE: 08/11/2005
PATENT APPLICATION: US/10/544,115   TIME: 13:35:30

Input Set : A:\3514 160b.ST25.txt
Output Set: N:\CRF4\08112005\J544115.raw

```
69 <221> NAME/KEY: MISC_FEATURE
70 <222> LOCATION: (1)..(36)
71 <223> OTHER INFORMATION: Variant of SEQ ID NO:1
73 <400> SEQUENCE: 3
75 Ser Gly Ile Asp Gln Glu Gln Asn Asn Leu Thr Arg Leu Ile Glu Ala
76 1               5                10                15
79 Gln Ile His Glu Leu Gln Leu Thr Gln Trp Lys Ile Lys Gln Leu Leu
80             20                25                30
83 Ala Arg Ile Leu
84         35
87 <210> SEQ ID NO: 4
88 <211> LENGTH: 36
89 <212> TYPE: PRT
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Variant of SEQ ID NO:1
96 <220> FEATURE:
97 <221> NAME/KEY: MISC_FEATURE
98 <222> LOCATION: (1)..(36)
99 <223> OTHER INFORMATION: Variant of SEQ ID NO:1
101 <400> SEQUENCE: 4
103 Ser Gly Ile Val Gln Gln Leu Asn Asn Gln Leu Arg Ala Glu Glu Ala
104 1               5                10                15
107 Asn Gln His Leu Glu Gln Leu Ser Val Trp Gly Ser Lys Gln Asn Gln
108             20                25                30
111 Ala Arg Arg Leu
112         35
```

Same error (handwritten annotation)

VERIFICATION SUMMARY   DATE: 08/11/2005
PATENT APPLICATION: US/10/544,115   TIME: 13:35:31

Input Set : A:\3514 160b.ST25.txt
Output Set: N:\CRF4\08112005\J544115.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date